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## **Amendments to the Specification**

Please **replace** the paragraph beginning at page 22, line with the following **amended** paragraphs:

The MEPG compatible, compressed audio and video packets from the transport unit 303 are delivered to a MEPG decoder 304. The MPEG decoder decodes the compressed MPEG datastream from the transport unit 303. The decoder 304 then outputs the applicable audio stream which can be further processed by the audio digital-to-analog converter (DAC) 305 to convert the digital audio data into analog sound. The decoder 304 also outputs applicable digital video data which represents image pixel information to a NTSC encoder 306. The NTSC encoder 306 then further processes this video data into NTSC compatible analog video signal so that video images may be displayed on a regular NTSC television screen. The MPEG decoder as described above may be implemented with an associated memory 318, and also implemented as an integrated circuit. A preferred embodiment of a MPEG decoder is an IC manufactured by SGS-Thomson Microelectronics having Part No. ST i3520.

Please **replace** the paragraph beginning at page **22**, line **16** with the following **amended** paragraph:

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Additional relevant functional blocks of Fig. 3 includes modem 307 which corresponds to the communication interface unit 116 shown in Fig 2 for access to the internet, for example. Conditional Access Module (CAM) 309 corresponds to the NRSS decryption unit 130 shown in Fig. 2 for providing condition access information. Wideband data module 310 corresponds to High Speed Data Port 75 shown in Fig. 2 for providing high speed access to, for example, a HDTV decoder or computer. A power supply 311 for supplying power to the smart card, LNB, and for supplying +3.3V, +12.0V, +5.0V, +21.2V, and -5.0V to the circuitry. A keyboard/IR receiver module 312 corresponds to Remote Unit interface 120 shown in Fig. 2 for receiving user control commands from a user control unit 314. Digital AV bus module 313 corresponds to I/O port 100

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Rand.

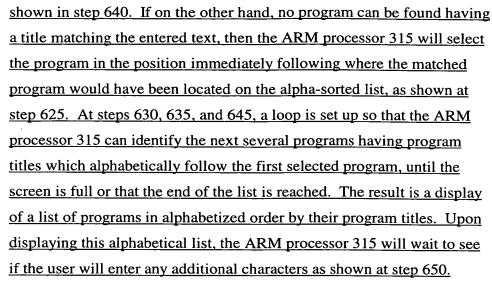
shown in Fig. 2 for connection to an external device such as a VCR or DVD player.

Please **replace** the paragraph beginning at page 26, line 27 with the following **amended** paragraphs:

Another exemplary control program of the present invention is shown in Fig. 6. The only difference between the flow chart shown in Fig. 6 and Fig. 5 is the inclusion in Fig. 6 of the capability to allow a user to specify which program descriptive field to sort by when a text string is entered by the user as shown at step 612. As shown at step 605 of Fig. 6. a user may request the alphabetical sort feature according to the present invention by selecting the icon 480 shown in Fig. 4 using the user control unit 314. At step 610, upon detecting this user request, the ARM processor 315 will create an alpha-sort user interface screen 700 as shown in Fig. 7. The a user will then specify which program descriptive field to sort by when a text string is entered by the user as shown at step 612. Next, the ARM processor 315 will also call a library routine as shown at step 615. This library routine 615 will allocate part of the memory 316 as "sort memory" for sorting the program guide data information already downloaded from the guide data provider and previously stored in the memory 316. In addition, after allocating the sort memory, the ARM processor 315 will first presort all of the programs contained in the program guide data information based on the respective program title for each program, as shown at step 620. Once a character is entered by the user and appears in the text string field 710, the ARM processor 315 will attempt to find, from the presorted list described, a first program with the first character of its program title matching the first entered character, as shown at step 625. An advantageous aspect of the present invention is that by having already presorted the programs in hashed bins, the ARM processor 315 can quickly get close to the first matched program by simply locating the correct bin. Once the correct bin is found, the ARM processor 315 can then sort the correct bin to obtain the specific program with the first character of the title matching the first entered character, as



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If a second letter is entered, the ARM processor 315 determines that the library routine has not ended 655 and returns to step 625 and then the second letter will be displayed in the second position in the text string field 710. Once this letter is selected, the ARM processor 315 will cause the screen to display alphabetically the programs which begin with the first two letters selected by the user.

If the next user input indicates that the user requests that the library routine be ended 655, the ARM processor 315 cleans up 660 and deallocates the sort memory 655.

Please replace the paragraph beginning at page 26, line 19 with the following amended paragraphs:

If a second letter is entered, this second letter will be displayed in the second position in the text string field 710. Once this letter is selected, the ARM processor 315 will cause the screen to display alphabetically the programs which begin with the first two letters selected by the user. For example, as shown in Fig. 8, the screen 800 will now display an alphabetically ordered list having programs 820-824, with programs having the characters "au" in their respective title at the top of list.

Please replace the paragraph beginning at page 27, line 12 with the following amended paragraphs:



a5

As shown in Fig. 9, a user interface screen <u>900</u> implementing the features provided by the control program of Fig. 6 is displayed. The top portion of the interface screen shows examples of some possible program descriptive fields 901 - 905 that may be part of a program description contained in program guide information. The user can select one of the fields 901-905 by using navigation keys on the user control 314 of Fig. 3.

Please **replace** the paragraph beginning at page 27, line 49 with the following **amended** paragraphs:

As shown in Fig. 9, for example, the field "star" has been selected and thus highlighted. The ARM processor 315 will then use this field as the key to sort the programs <u>920-923</u> in the program guide information. If the user then enters a character "h", for example as shown in Fig. 9, an alphabetical list of programs, alphabetized according to the name of the star for the programs, will appear. In this case, programs which star Harrison Ford are listed first, followed by programs starring Tom Hanks, in alphabetical order, according to the "star" field chosen. This capability of allowing a user to select which descriptive field to sort the programs provides the user with additional ability to customize the user's program listing.

